To: Garland, Jay[Garland.Jay@epa.gov]

From: Ed Russo

**Sent:** Tue 11/28/2017 2:59:46 AM

Subject: [SPAM-Sender] Re: WaterGen T&E Questions

Hey Jay. Yes. Will get it shortly.

Sent from my iPhone

On Nov 27, 2017, at 9:34 PM, Garland, Jay < Garland. Jay@epa.gov > wrote:

Hope all is well. Do you have an approximate size to pass along?

Sent from my iPhone

Begin forwarded message:

From: "Schupp, Don" Ex. 4 - CBI

**Date:** November 27, 2017 at 2:35:25 PM EST **To:** "Garland, Jay" < Garland, Jay@epa.gov>

Cc: "Goodrich, James" < Goodrich. James@epa.gov >, "Weber, Josh"

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Subject: RE: WaterGen T&E Questions

Jay,

Our electrician is out this week, so I don't have an answer for you, yet, on the cable length or connector type. However, we will have to find a place to locate the WaterGen for testing at T&E. This will affect the cable length, obviously. Do you have an approximate size of the unit so we can determine where it will fit?

Don



Don Schupp, P.E.			
Ex. 4 - CBI			
From: Garland, Jay [mailton Sent: Tuesday, November To: Schupp, Don   Cc: Goodrich, James   Weber. Josh@epa.gov>; Roreg   Ex. 4 - CBI  Subject: RE: WaterGen To	21, 2017 5:00 PM  x. 4 - CBI pdrich.James@epa.gov>; V  Krishnan, Radha	Veber, Josh <b>≣x. 4 - CBI</b>	Meiners
A question from waterge	n.		
The power we need is:	Ex. 4	4 - CBI	
Ex. 4 - C	BI		
We like to know the con	nector type and how lon	g the cabal should b	oe.
Can you provide a response	??		

From: Schupp, Don [mailto] Ex. 4 - CBI

Sent: Tuesday, November 21, 2017 12:56 PM

**To:** Garland, Jay < Garland. Jay @epa.gov>

Cc: Goodrich, James < Goodrich. James @epa.gov >; Weber, Josh < Weber. Josh@epa.gov>; radha.krishnan Ex. 4 - CBI Meiners, Greg

Ex. 4 - CBI

Subject: RE: WaterGen T&E Questions

Jay,

I spoke with our electrician (Gary Lubbers). He said that we have sufficient power at the T&E Facility to power the WaterGen unit. With **Ex. 4 - CBI** we will need approximately Ex. 4 - CBI and we can go as high as Ex. 4 - CBI We will need to see if they need either **Ex. 4 - CBI** and the specific connector that they have, but it should be doable.

Also, as we discussed, the T&E highbay is heated in the winter to approximatel Ex. 4 - CBI but I believe that EPA Facilities controls that temperature. It is not ever cooled or humidity controlled. We have two large environmental chambers in the highbay, but they have not been actively used (temperature or humidity controlled) for about 10 years and need significant work to get in operating condition.

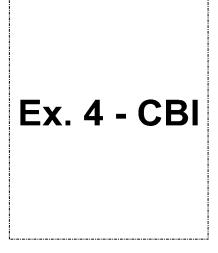
Please let us know if you have any questions, and we look forward to seeing the unit at T&E.

Don



Don Schupp, P.E.

**Ex. 4 - CBI** 



From: Krishnan, Radha

**Sent:** Tuesday, November 21, 2017 10:51 AM

To: Meiners, Greg **Ex. 4 - CBI** ; Schupp, Don

Ex. 4 - CBI

Subject: Fwd: WaterGen T&E Questions

Can either of you touch base with Jay Garland in my absence? Thanks.

Sent from my iPhone

Begin forwarded message:

From: "Goodrich, James" < Goodrich.James@epa.gov>

Date: November 21, 2017 at 10:05:51 AM EST

To: "Garland, Jay" < Garland. Jay@epa.gov>

Cc: "Weber, Josh" < Weber. Josh@epa.gov>, "radha.krishnan( Ex. 4 - CBI

< Radha Krishnan Ex. 4 - CBI , "Ernst, Hiba" < Ernst Hiba@epa.gov >

Subject: WaterGen T&E Questions

Hi Jay,

For electrical and other HVAC issues I would refer you to Radha. Gary Lubbers on his staff should be able to handle such questions. In regards to humidity control, there is the Environmental Chamber (phytoremediation projects) that might be able to conduct experiments with different humidity levels, although I'm

not sure the medium size WaterGen unit would fit through the door. JimJames A. Goodrich, Ph.D. Sr. Science Advisor Water Infrastructure Protection Division USEPA/ORD/NHSRC NB-31 26 W. Martin Luther King Drive Cincinnati, Ohio 45268 (513) 569-7605 (office) (513) 658-1055 (cell) http://www.epa.gov/homeland-security-research